

## S SILAMBARASAN

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**Contact no:** +91 9688240879

### **OBJECTIVE**

Seeking a position where I can contribute my advance skills in design as well as my creativity to produce a unique and quality product.

### **PROFESSIONAL PROFILE**

- A competent professional with 7 year's invaluable experience in New Product Design & Development, Jigs & Fixtures, SPM Machines, Sheet metal Covers, Project Management, Quality Assurance as well as Team Management.
- Currently associated with **INEL (SARACA Solutions), Hosur. Sr Design Engineer – Powertrain (EV Controller, DC DC Converter Unit Design and Development)**
- Proficient in heading the entire scope of Product Engineering Operations right from design & development, coordination with internal departments, process development, interfacing with vendors, till smooth transfer from development to production.
- Proficient in R&D initiatives, design, process improvement and systems designing initiatives during the career span.
- Proven track record of swiftly ramping up projects pertaining to special engineering designs for specific applications as well as specialized process equipment design engineering.
- Analytical and problem solving skills. Capacity to work under pressure situations and beat deadlines.

### **RELEVANT PROJECTS AND WORK EXPERIENCE**

**Successfully developed the following products:**

**India Nippon Electricals Ltd (TVS Group), Hosur (SARACA Solutions) Present.**

- ER Motor Controller for E-Rickshaw & Automobile.
- DC-DC Converter for TVSM, HERO Ltd.
- Fly wheel magneto & Regulator - Rectifier unit for TVSM, HERO Ltd.

**Abhi Fine Products., Coimbatore (Two Years & Four months) September-2019 to January-2022.**

- Horizontal Honing machines, Vertical Honing machines.
- Jigs and Fixtures, Honing tools, Special purpose Machines.

**Sekar Engineering Works., Coimbatore (One Year) November 2018 to September-2019.**

- Sheet metal Design for New Product Development, LMW, GD Wheeler, ELGI Customer machine covers.
- Laser Nesting & Programming, Bending Quality, Fabrication Quality, Powder coating Quality and Final Inspection.

**Quattro Engineering India Ltd - (LMW GROUP), Coimbatore ( One Year ) July 2017 to October 2018.**

- Sheet metal Design for LMW Textile Machine Covers,

**RV Machine Tools., Coimbatore ( Two Years ) April 2015 to June 2017.**

- Special purpose machines, Jigs & Fixture Design.
- Multi Drill Heads, Multi Tap Heads.

### **Design Engineering**

- Design to comply with customer specification.
- Geometric Dimensioning and Tolerancing.
- Reverse engineering
- Prepare General Arrangement drawings & Concept Drawings.
- Preparation of Process flow chart, Part list, BOM - Bill of Material & Process drawings for new products.
- Making concepts, 3D modeling & detailing for approvals.
- Ensure that all the Drawings as per the design Standards.
- Communicating with customers and suppliers to resolve design issues.
- Develop supplier support activity for the new part developed/modified.
- Adaptive Designs I.e. Design changes in the existing products as per customer requirement.
- Component design of - Sheet metal, plastic, Hot forging, Aluminium casting and Extrusion.

### **New Product Development**

- Conducting failure analysis & product evaluation.
- Development of proto type plastic, sheet metal components, Jigs and Fixtures, Special purpose machines.

### **EDUCATIONAL CREDENTIAL**

- **BE (Mechanical Engineering)** in Salem College of Engineering and Technology, Salem with **70 % (First class)** - 2012 to 2015.
- **DME (Tool & Die)** in D.D.C.S.M Polytechnic College, Palacode, Dharmapuri with **82 % (First class)** - 2009 to 2012.

### **SOFTWARE PROFICIENCY**

- Auto CAD 2022
- NX CAD
- Creo parametric 8.0
- MS office packages
- Solid works 2022

### **CERTIFICATION**

- Completed **Diploma in Product Design** certified by CADD CENTRE Training Services, Dharmapuri- April 2012.

### **ACADEMIC ACHIEVEMENT**

- With help of product design head Designed by National Level Go-kart F4 Racing Championship.

### **PERSONAL DETAILS**

Father Name	: T.Shanmugam
Date of birth	: 17-07-1993
Sex	: Male
Place of birth	: Dharmapuri, India
Nationality	: Indian
Marital status	: Unmarried
Languages known	: Tamil, English, Kannada, Telugu
Mailing Address	: S/O Shanmugam.T, 3/22 C.M.Pudur, (Vill), Marandahalli (P.O), Palacode (Tk), Dharmapuri-636806.

### **DECLARATION**

I do hereby declare that the above details furnished by me are true and correct to the best of my knowledge. If am selected, I will do my work sincerely.

**Place: Dharmapuri**

**Date:**

Yours sincerely,

**SILAMBARASAN.S**